

Claims

1. A rod member comprising:
a rod-shaped reinforcing layer formed of a fiber;
5 a resin layer formed on an outer circumference of the reinforcing layer; and
a garnet layer formed in/on the resin layer.
2. The rod member according to claim 1, wherein the
10 fiber is selected from the group consisting of a carbon fiber, a glass fiber and an aramid fiber.
3. The rod member according to claim 1, wherein the
15 resin layer is formed of a material selected from the group consisting of an epoxy resin, an acryl resin and a polyvinyl ester resin.
4. The rod member according to claim 1, wherein the
20 garnet layer is formed with a plurality of garnets each having a 300-800 μm size.
5. A rod member comprising:
a rod having a reinforcing member formed of an aramid
25 fiber and a resin layer formed on an outer circumference of the reinforcing member; and
a garnet layer formed on an outer circumference of the rod,
wherein the garnet layer is formed with a plurality of
garnets, some of the garnets being mixed in the resin layer
30 and rest of the garnets being protruded above the resin layer.
6. The rod member according to claim 5, wherein a
mass of the reinforcing member is about 60-80% of a mass of
35 the rod.

7. The rod member according to claim 5, wherein the resin layer is formed of a material selected from the group consisting of an epoxy resin, an acryl resin and a polyvinyl ester resin.

8. A method for making a rod member, comprising the steps of:

forming a reinforcing member using a fiber;

forming a resin layer on an outer circumference of the reinforcing member to define a rod with the reinforcing member; and

forming a garnet layer on an outer circumference of the resin layer through first and second garnet spraying processes.

9. The method according to claim 8, wherein the fiber is selected from the group consisting of a carbon fiber, a glass fiber and an aramid fiber.

10. The method according to claim 8, wherein the resin layer is formed of a material selected from the group consisting of an epoxy resin, an acryl resin and a polyvinyl ester resin.

11. The method according to claim 8, wherein the garnet layer is formed with a plurality of garnets each having a 300-800 μm size.

12. The method according to claim 8, wherein the rod is formed with the 60-80 Wt% reinforcing member and the 20-40 Wt% resin layer.

13. The method according to claim 8, wherein in the step of forming the garnet layer, 30-45 Wt% garnets with

respect to a whole weight of the garnet layer are sprayed in the first garnet spraying process and 55-70 Wt% garnets with respect to a whole weight of the garnet layer are sprayed in the second garnet spraying process.